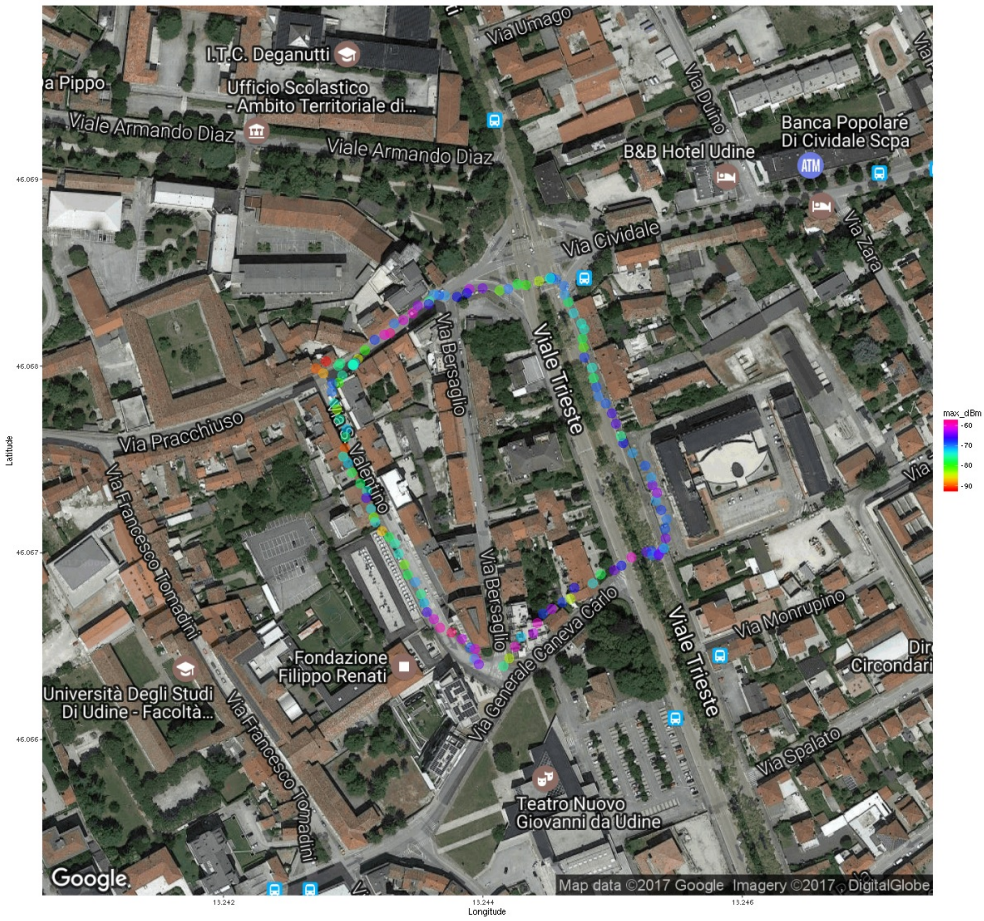
Gsm frequencies analyzer

Measurements carried out with GsmTrack (http://wireless.ictp.it/gsm/gsmtrack/) over the specified frequency range and antenna.
Remember that most TV signals are vertically polarized.
The received signal level measured in dBm is dependent on the antenna gain and orientation.

Campaign measurements info

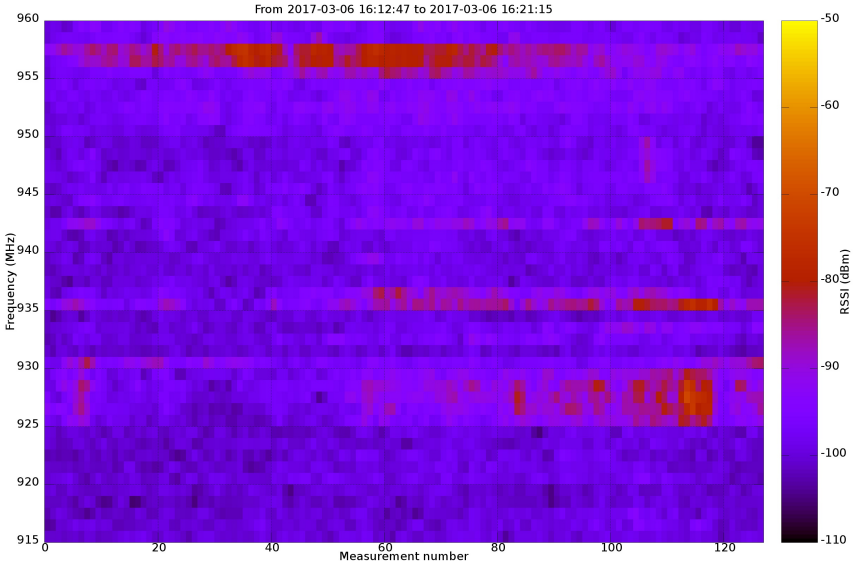
Campaign Route

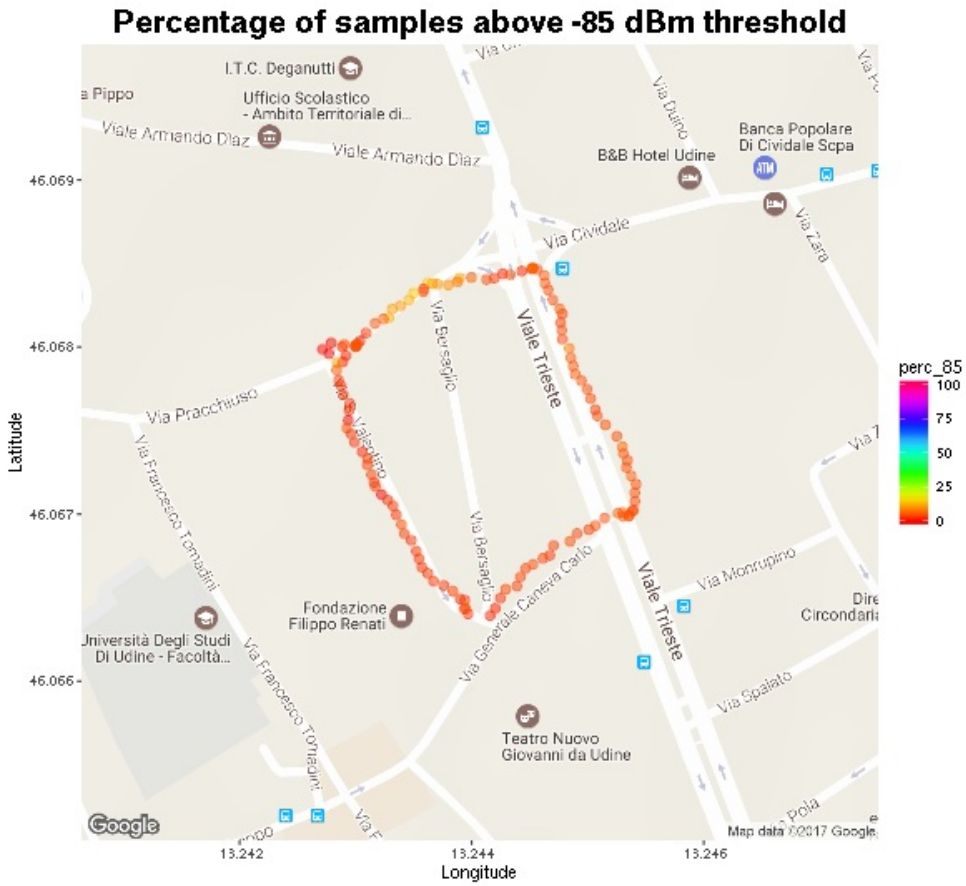


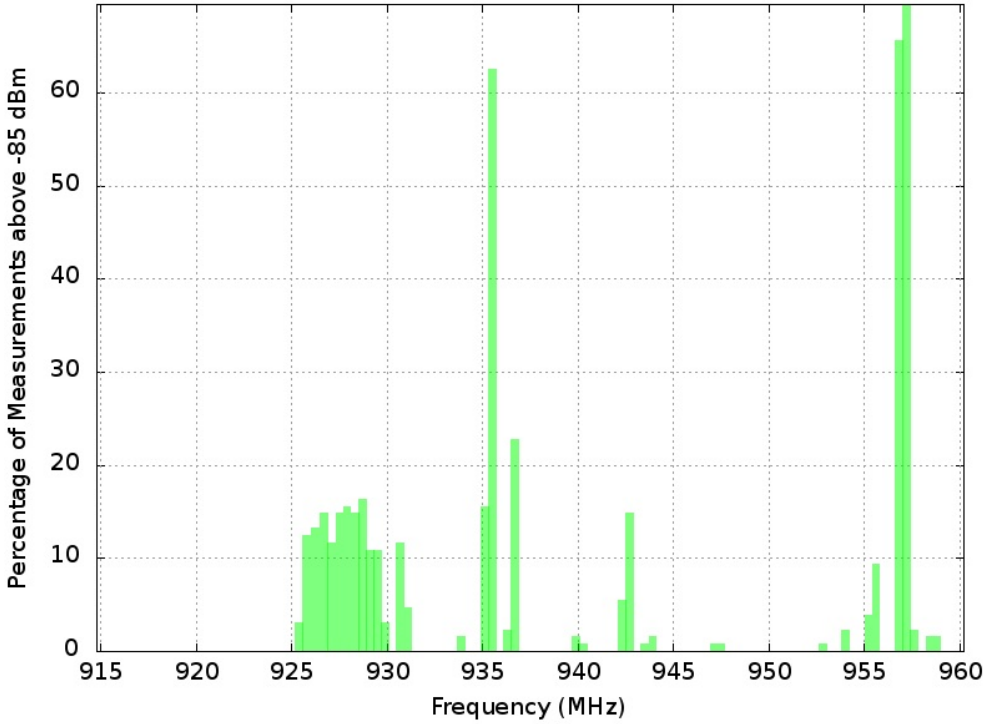
Info	Value
Campaign date:	2017-03-06
Campaign duration:	0:08:28 (hour:min:sec)
Route length:	0.8 Km
N. points:	128
Country:	Italy
Country Code:	IT
Place of measurement:	Udine
Region:	Friuli Venezia Giulia
Population:	97761

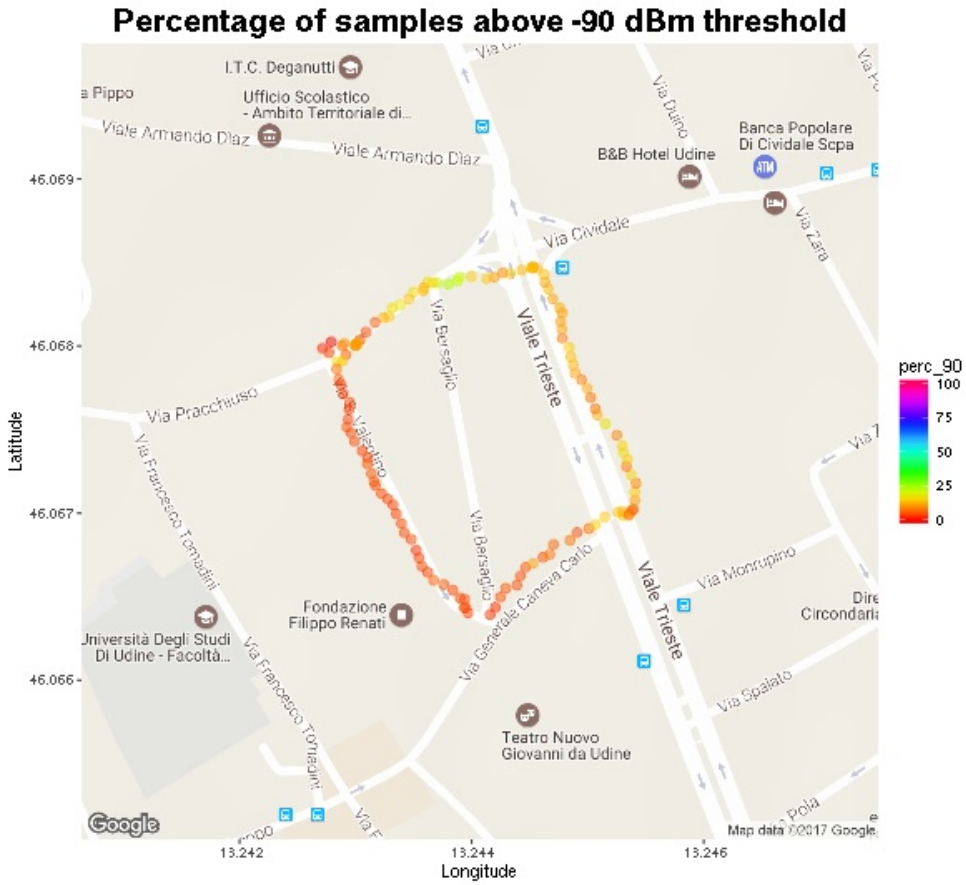
Spectrum Maps

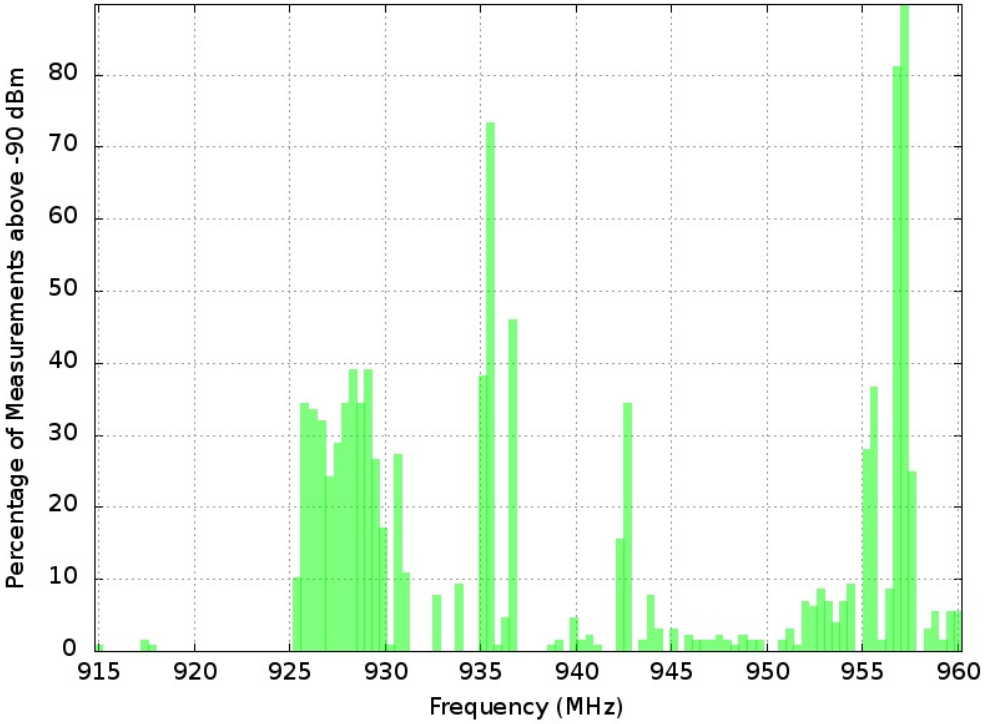
The first image shows power levels over time (number of measurements), the following images show different thresholds of spectrum occupancy.

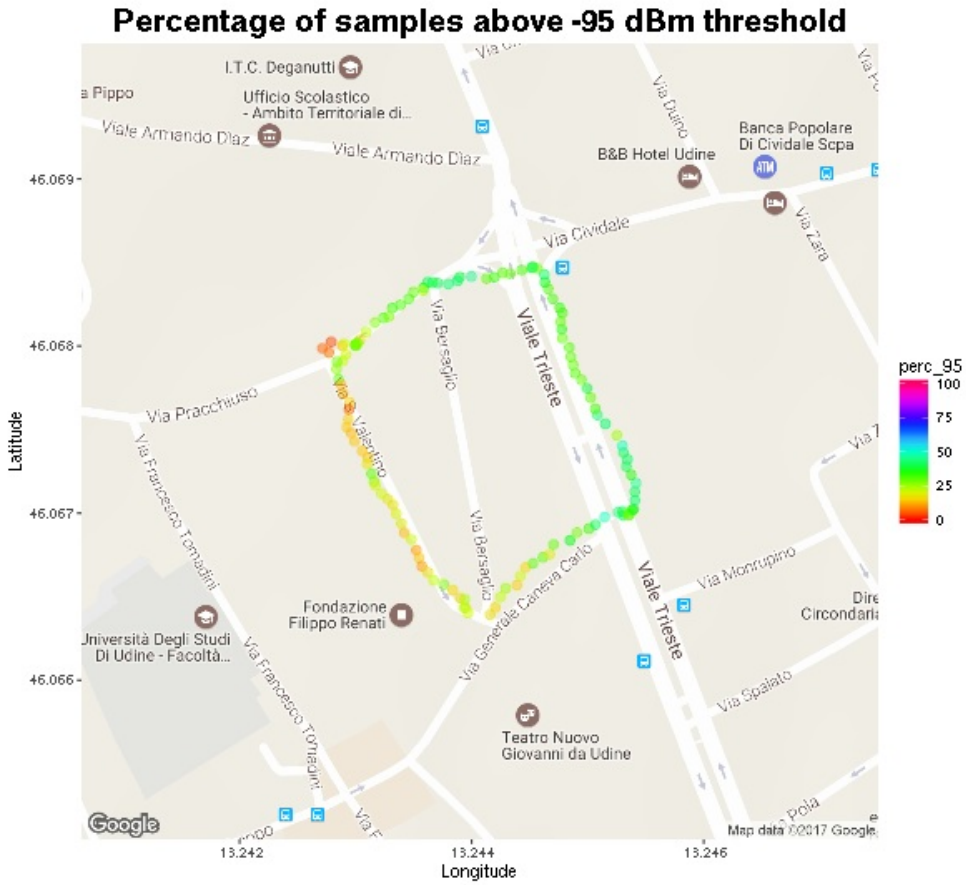


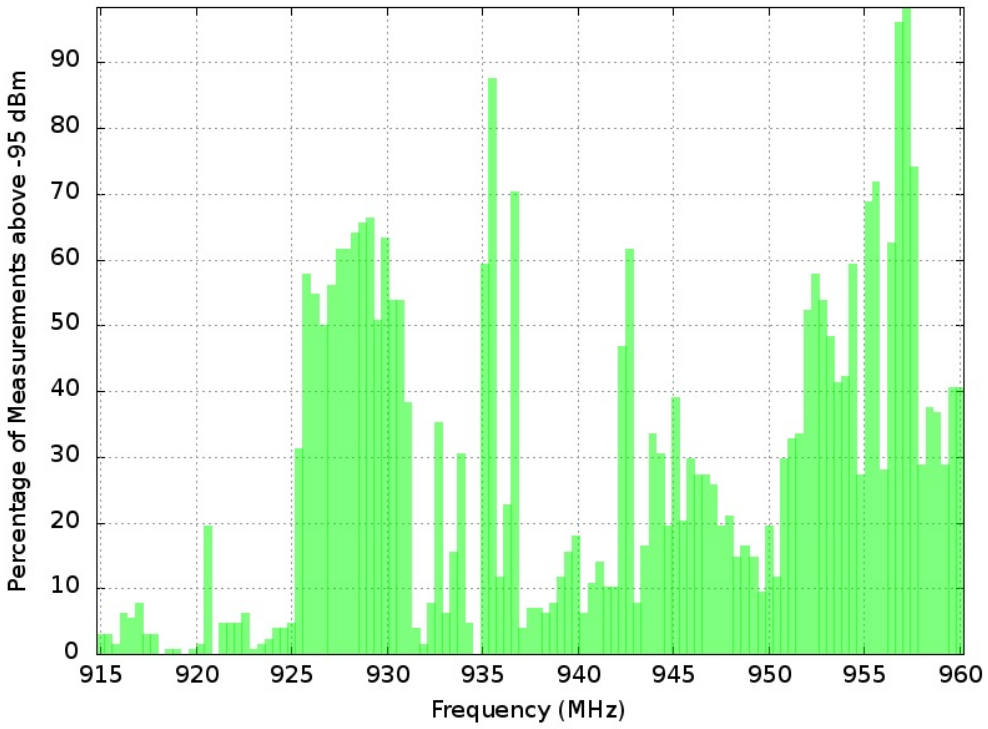


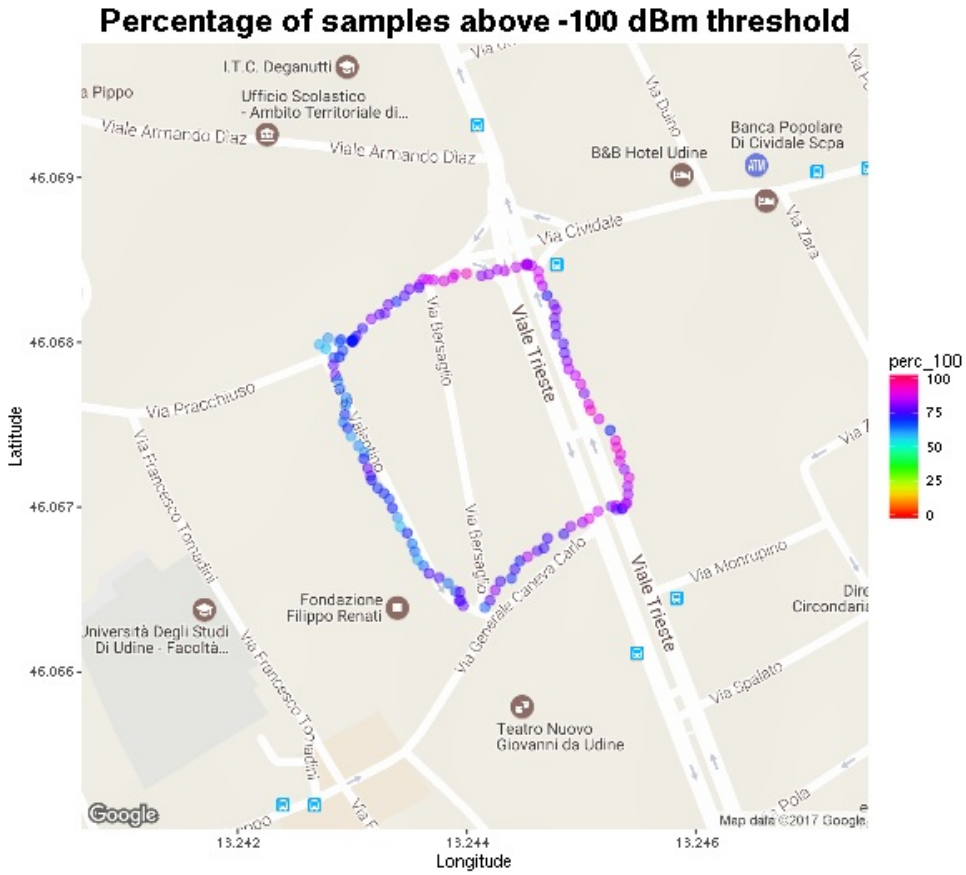

Percentage of Measurements above -85 dBm
0
10
20
30
40
50
60
915
920
925
930
935
940
945
950
955
960
Frequency (MHz)

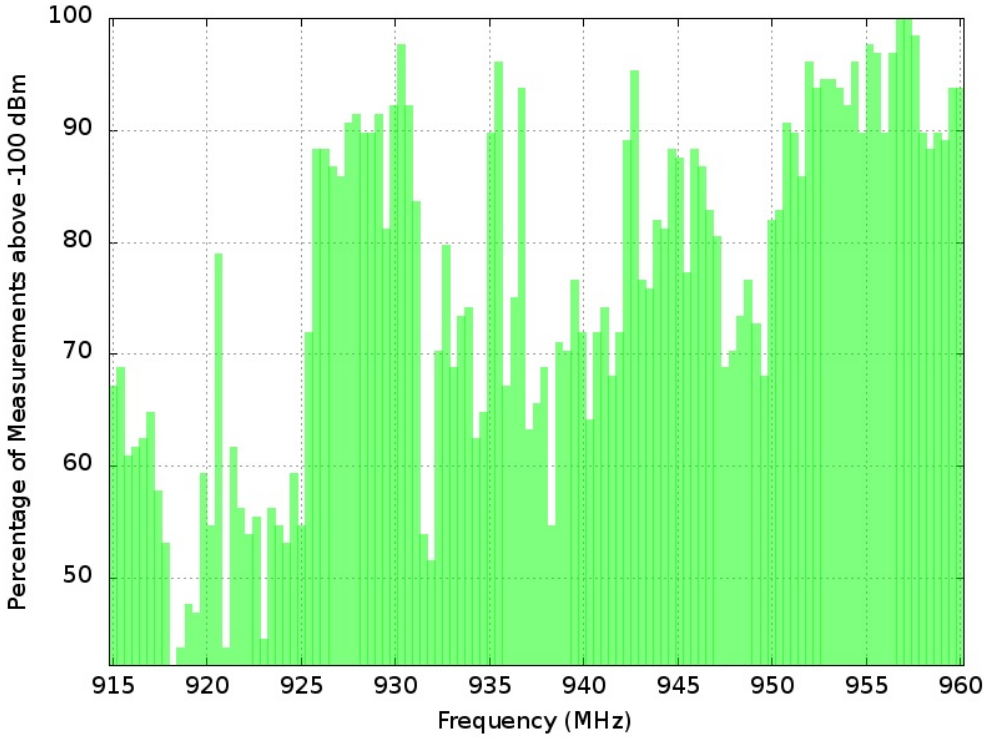

Percentage of samples above -90 dBm threshold
I.T.C. Deganutti
Ufficio Scolastico
- Ambito Territoriale di...
Viale Armando Diaz
Viale Armando Diaz
B&B Hotel Udine
Banca Popolare
Di Cividale Scpa
Via Duino
Via Cividale
Via Zara
Via Bersaglio
Viale Trieste
Via Pracchiuso
Via Valentino
Via Francesco Tomadini
Via Bersaglio
Via Generale Caneva Carlo
Viale Trieste
Via Monrupino
Fondazione
Filippo Renati
Università Degli Studi
Di Udine - Facoltà...
Via Francesco Tomadini
Via Spalato
Teatro Nuovo
Giovanni da Udine
Google
Map data ©2017 Google
perc_90
100
75
50
25
0
46.069
46.068
46.067
46.066
Latitude
13.242
13.244
13.246
Longitude

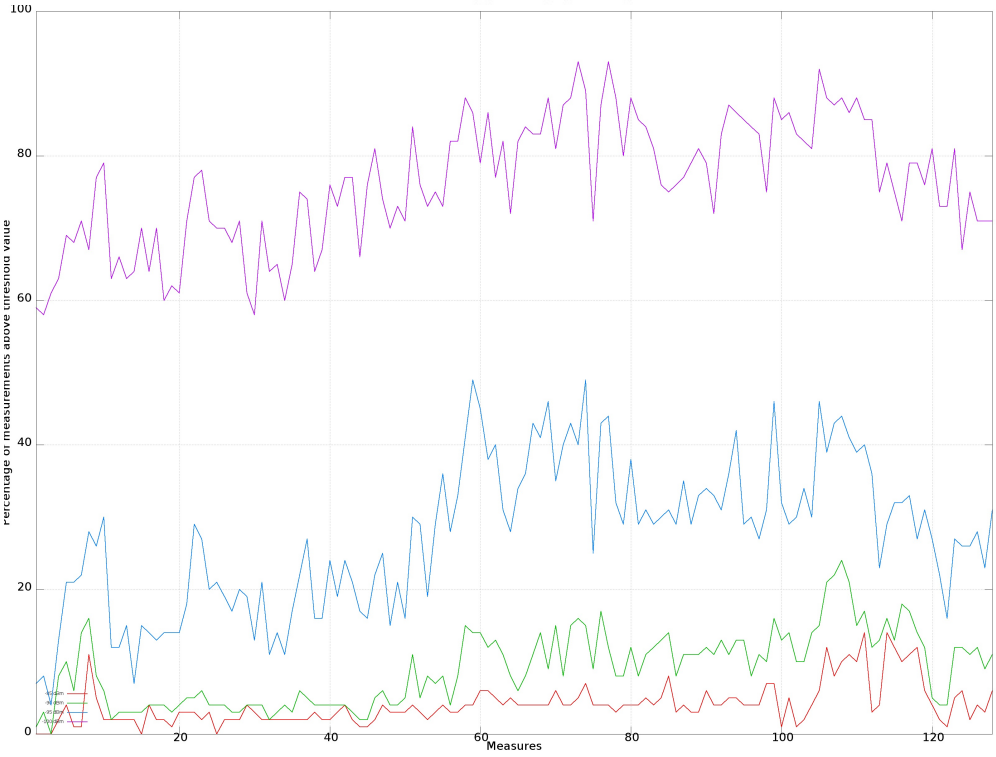

Percentage of Measurements above -90 dBm
0
10
20
30
40
50
60
70
80
915
920
925
930
935
940
945
950
955
960
Frequency (MHz)

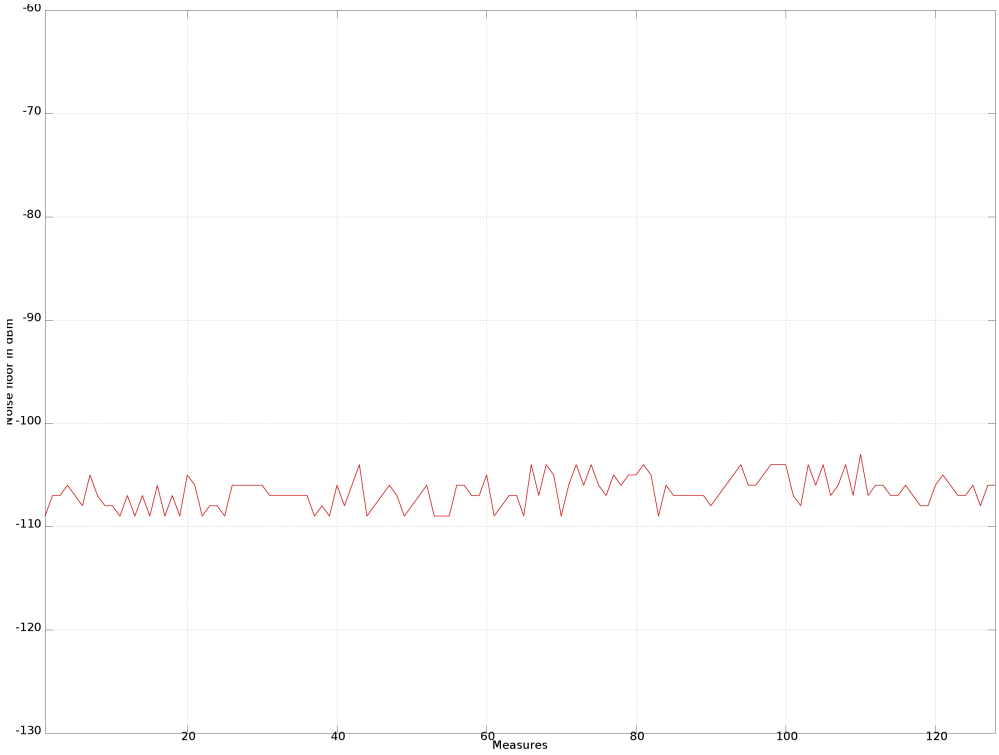

Percentage of samples above -95 dBm threshold
I.T.C. Deganutti
Ufficio Scolastico
- Ambito Territoriale di...
Viale Armando Diaz
Viale Armando Diaz
Via Duino
Banca Popolare
Di Cividale Scpa
B&B Hotel Udine
Via Cividale
Via Zara
Via Bersaglio
Viale Trieste
Via Pracchiuso
Via Valentino
Via Francesco Tomadini
Via Bersaglio
Via Monrupino
Via Generale Cantore Carlo
Fondazione
Filippo Renati
Università Degli Studi
Di Udine - Facoltà...
Via Francesco Tomadini
Viale Trieste
Via Spalato
Teatro Nuovo
Giovanni da Udine
Google
Map data ©2017 Google
perc_95
100
75
50
25
0
Latitude
46.069
46.068
46.067
46.066
13.242
13.244
13.246
Longitude


Percentage of Measurements above -95 dBm
0
10
20
30
40
50
60
70
80
90
915
920
925
930
935
940
945
950
955
960
Frequency (MHz)


Percentage of samples above -100 dBm threshold
I.T.C. Deganutti
Ufficio Scolastico - Ambito Territoriale di...
Viale Armando Diaz
Viale Armando Diaz
Via Duino
Banca Popolare Di Cividale Scpa
B&B Hotel Udine
Via Cividale
Via Tarvis
Via Gervasutta
Viale Trieste
Via Pracchiuso
Via Francesco Tomadini
Via Valentino
Via Gervasutta
Via Monrupino
Via Generale Cantore Carlo
Viale Trieste
Fondazione Filippo Renati
Università Degli Studi Di Udine - Facoltà...
Via Spalato
Teatro Nuovo Giovanni da Udine
Via Pola
Google
Map data ©2017 Google
46.069
46.068
46.067
46.066
Latitude
13.242
13.244
13.246
Longitude
perc_100
100
75
50
25
0


Percentage of Measurements above -100 dBm
100
90
80
70
60
50
915
920
925
930
935
940
945
950
955
960
Frequency (MHz)


Percentage of measurements above threshold value
100
80
60
40
20
0
20
40
60
80
100
120
Measures



Sponsor

The project was supported by the Shuttleworth Foundation (https://www.shuttleworthfoundation.org/)

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